



Synopsis

April 2023 was a dry month for most of the state with windy spring afternoons and numerous days with critical fire weather conditions. The month began with a high wind event that registered gusts as high as 77 mph and created dangerous fire weather. Around the middle of the month, there was another stretch of windy days with critical fire weather and light rain/snow in the mountains. Warming temperatures combined with the robust snowpack created rises on rivers and streams in the northern mountains throughout the month.



Photo courtesy Eli@starfishprime
Escondida Fire



Photo courtesy B Driskel
Palo Flechado Pass



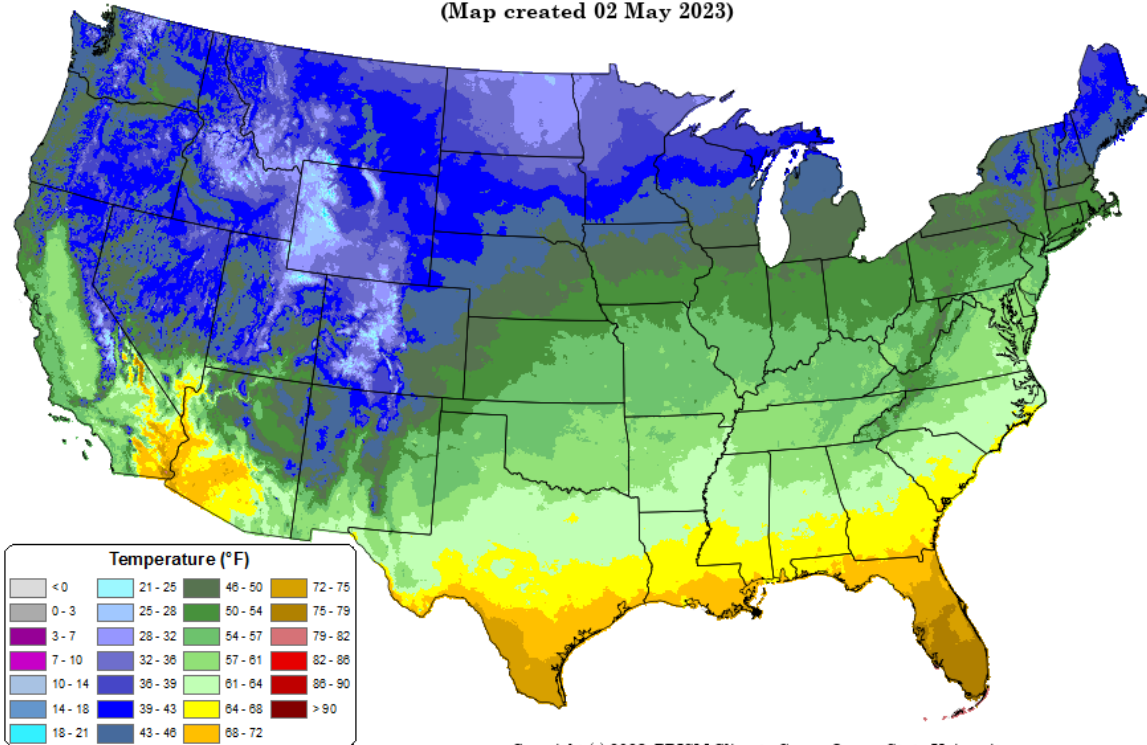
Photo courtesy NMSP
Jemez River Flooding

Temperatures

Average Daily Mean Temperature: Apr 2023

Period ending 7 AM EST 30 Apr 2023

(Map created 02 May 2023)



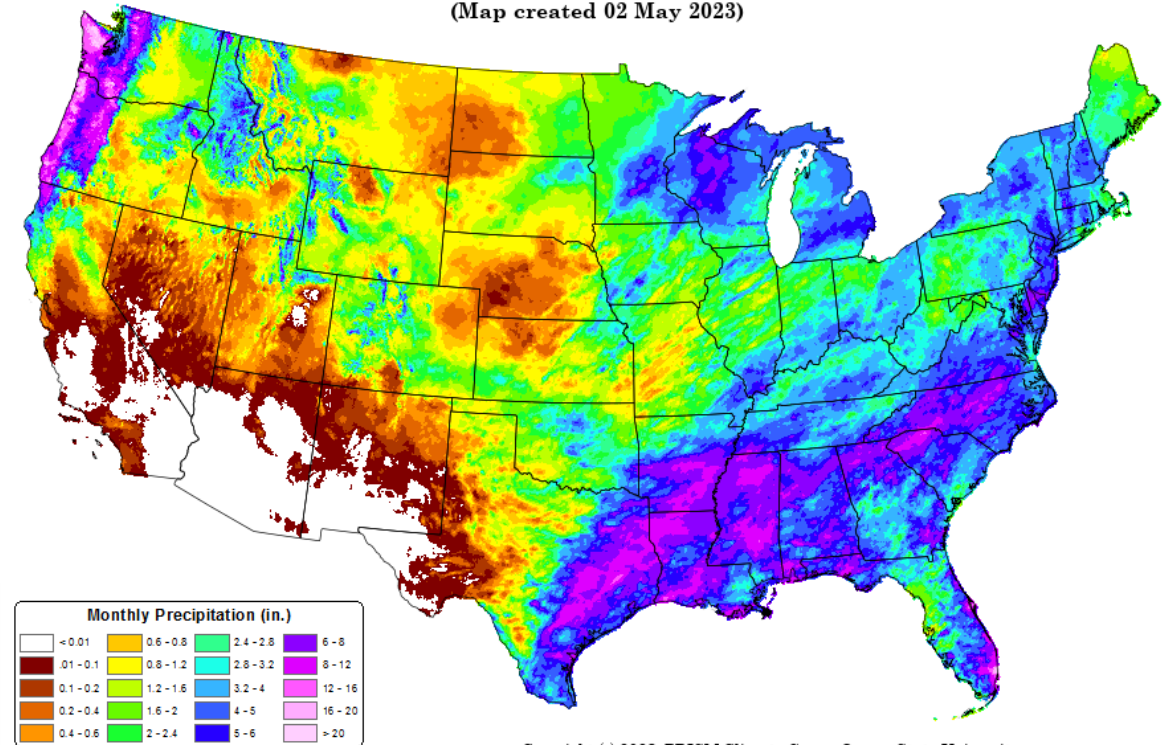
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Precipitation

Total Precipitation: Apr 2023

Period ending 30 Apr 2023

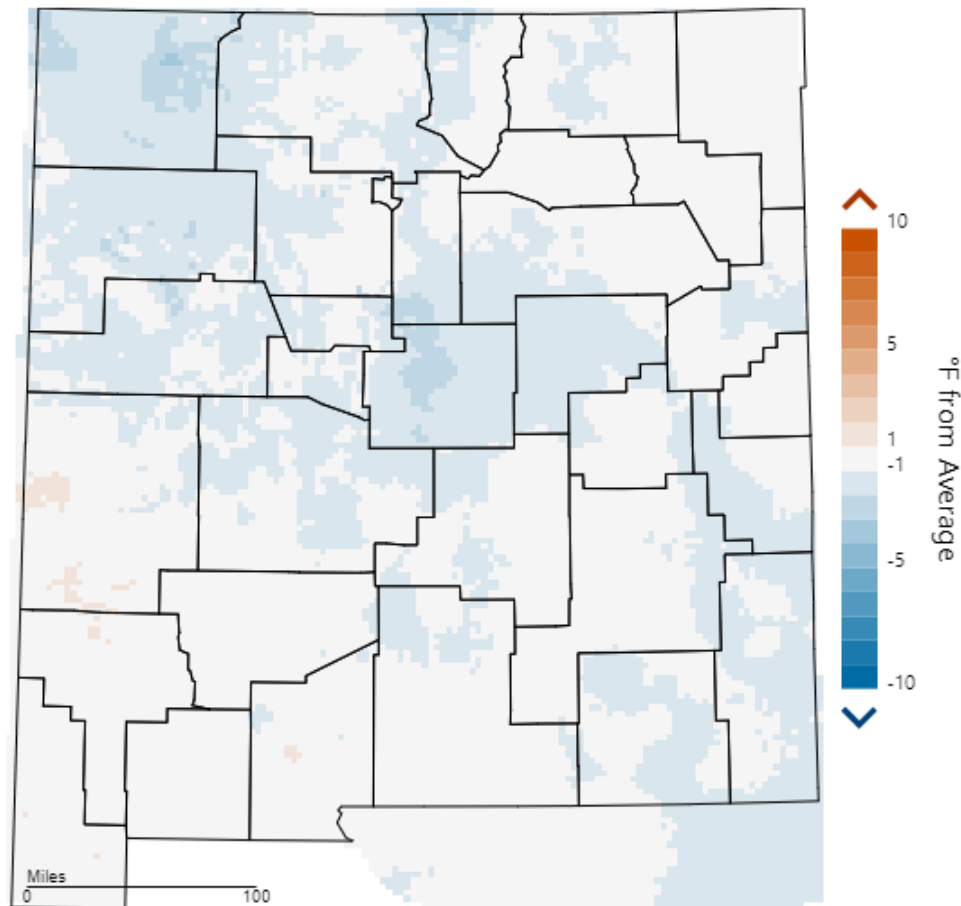
(Map created 02 May 2023)



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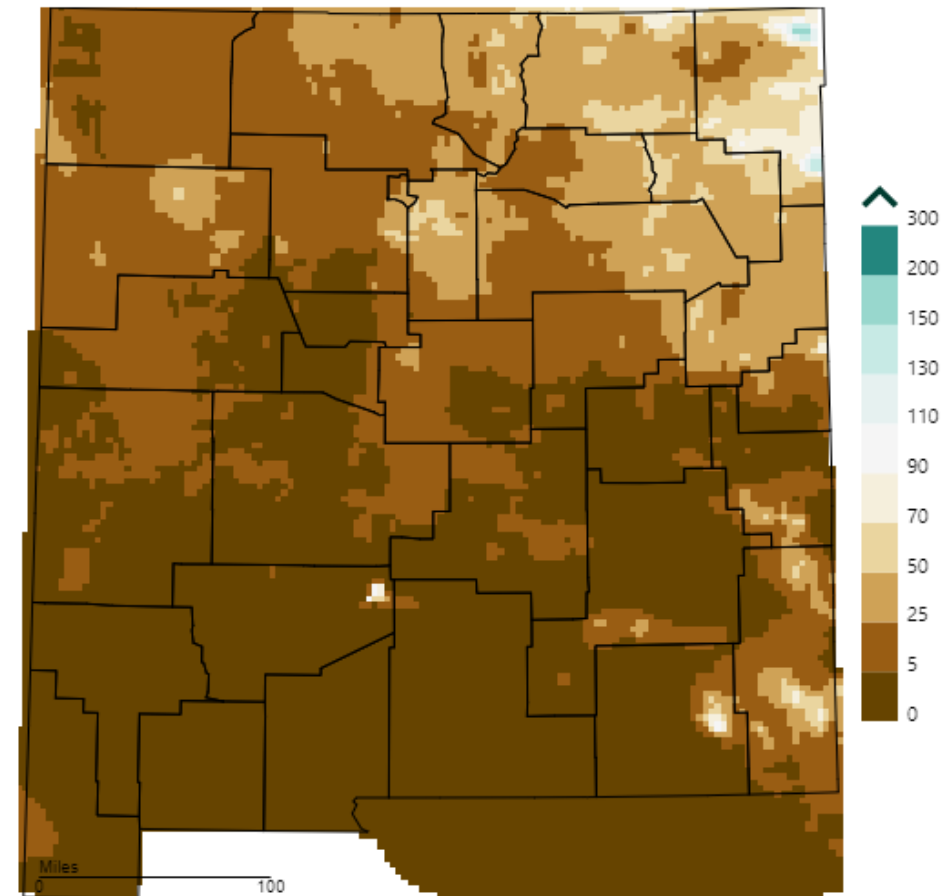
Temperature Departure

Mean Temperature Departures from 1991-2020 Computed Average(s)



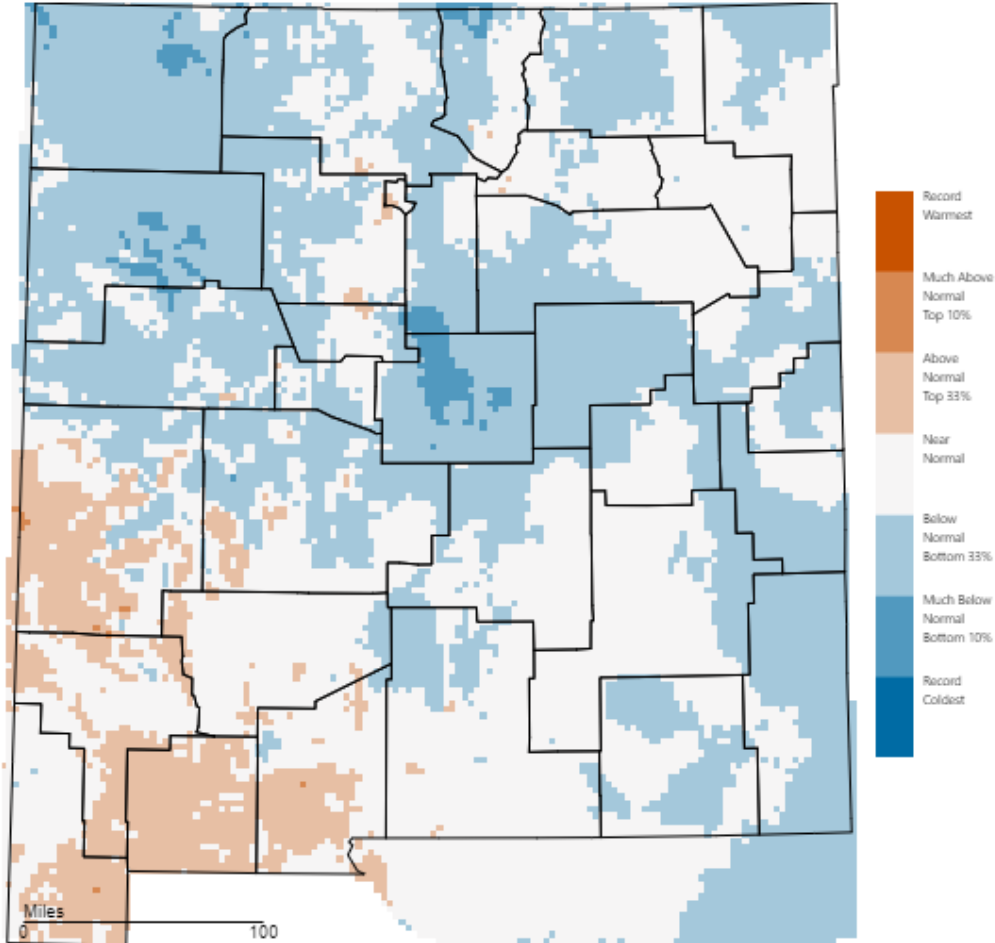
Precipitation % of Average

Precipitation Percents of 1991-2020 Computed Average(s)



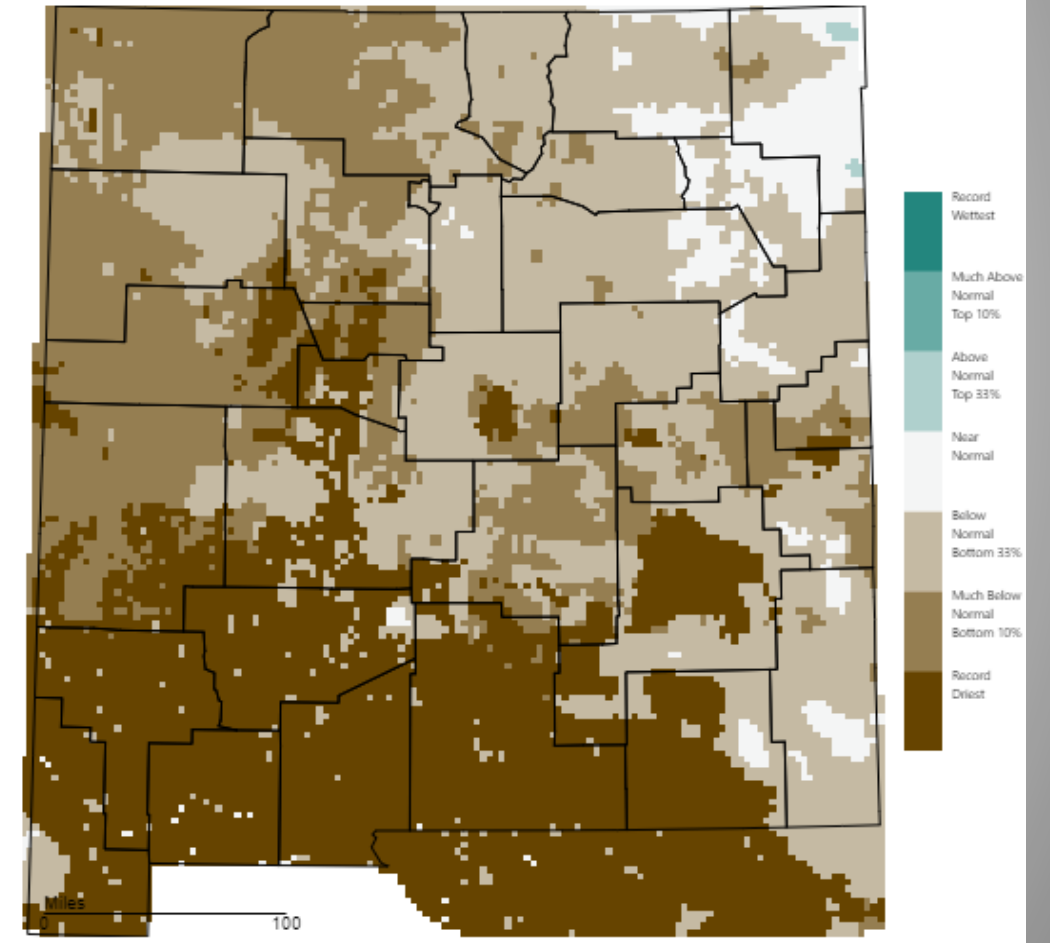
Temperature

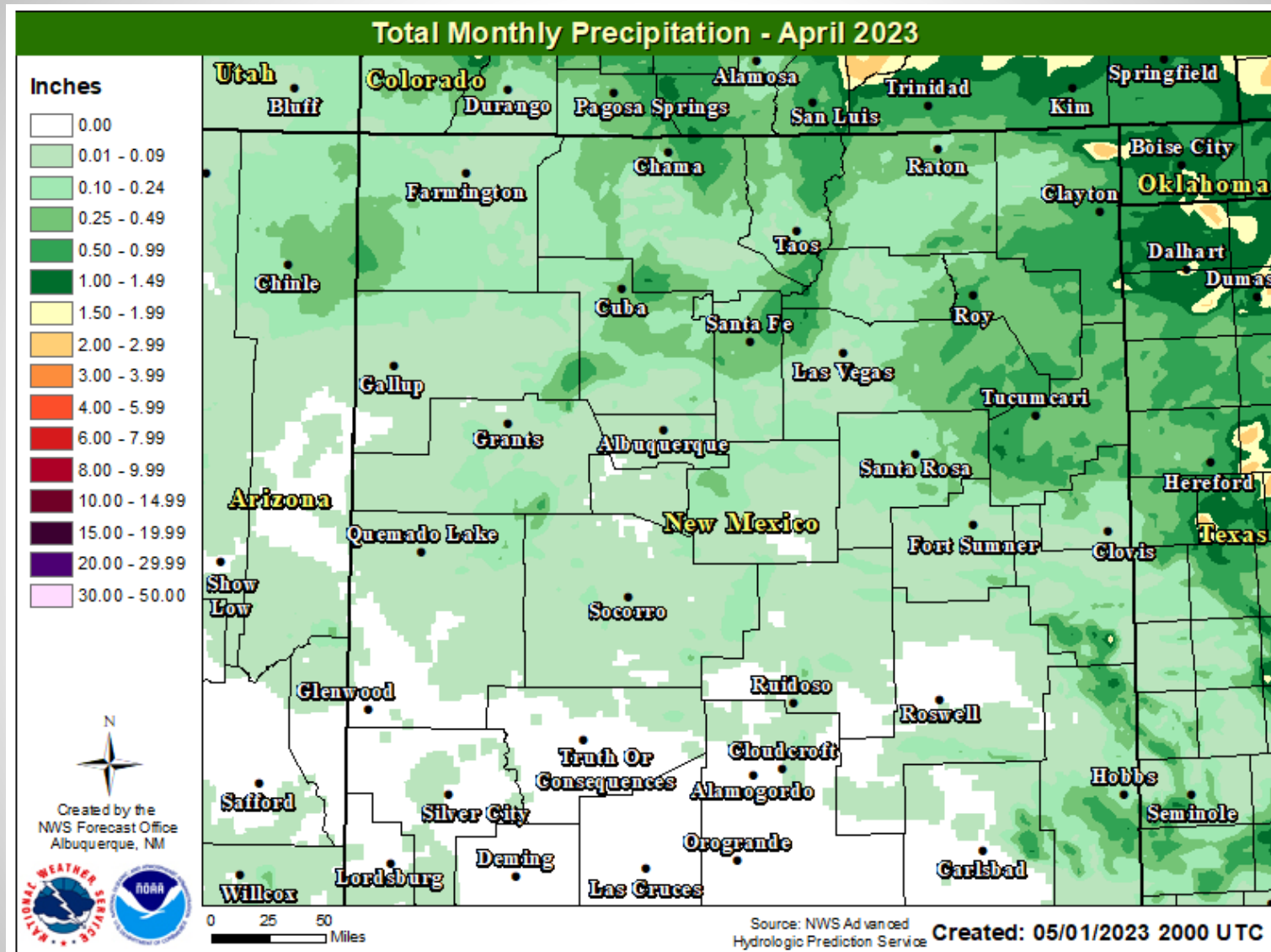
Mean Temperature Percentile Ranking



Precipitation

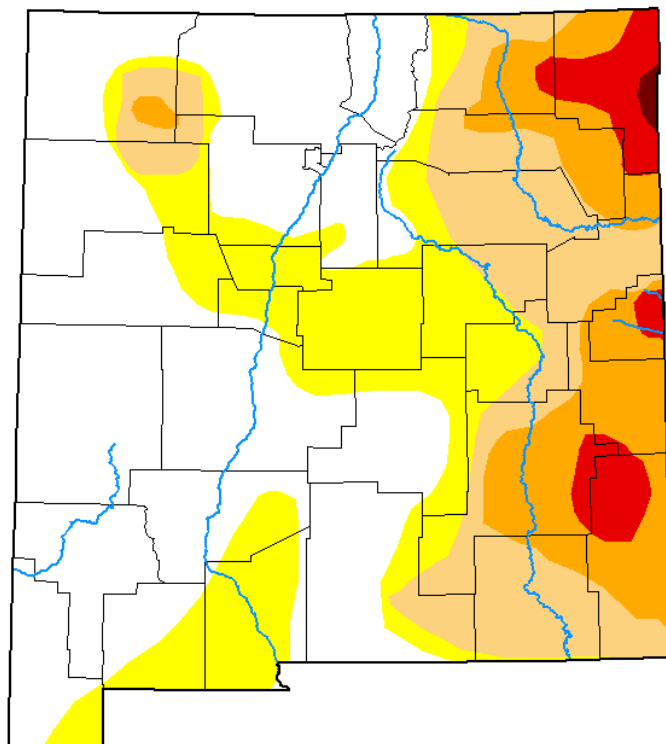
Precipitation Percentile Ranking





Precipitation was generally light across the state with the exception of the NE corner where over 2 inches of precipitation fell.

U.S. Drought Monitor New Mexico



April 4, 2023

(Released Thursday, Apr. 6, 2023)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	47.20	52.80	32.16	15.67	4.20	0.21
Last Week 03-28-2023	36.06	63.94	32.91	15.67	4.20	0.21
3 Months Ago 01-03-2023	7.03	92.97	41.30	18.55	3.74	0.19
Start of Calendar Year 01-03-2023	7.03	92.97	41.30	18.55	3.74	0.19
Start of Water Year 09-27-2022	0.99	99.01	76.80	31.46	6.99	0.00
One Year Ago 04-05-2022	0.06	99.94	98.89	91.50	47.20	6.03

Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

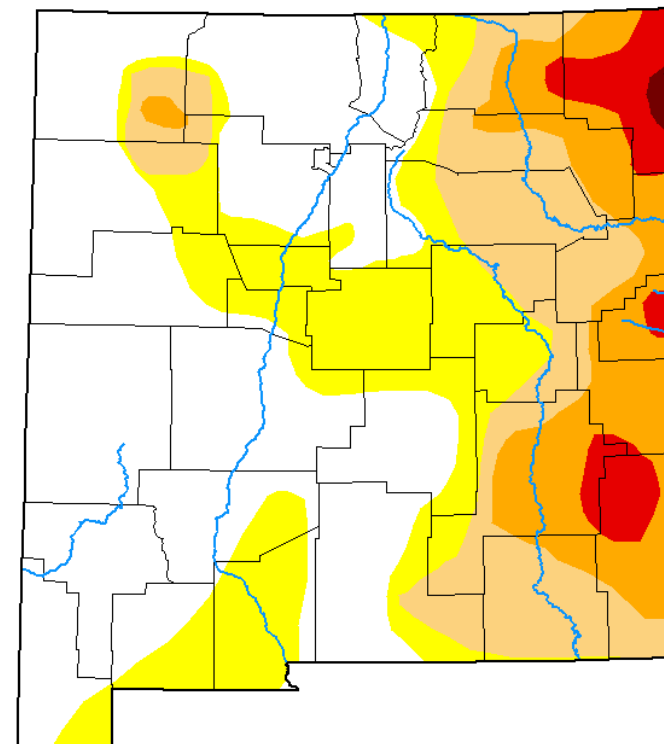
Author:

David Simeral
Western Regional Climate Center



droughtmonitor.unl.edu

U.S. Drought Monitor New Mexico



April 25, 2023

(Released Thursday, Apr. 27, 2023)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	46.63	53.37	32.14	16.19	4.18	0.21
Last Week 04-18-2023	46.63	53.37	32.14	16.19	4.18	0.21
3 Months Ago 01-24-2023	17.92	82.08	47.31	18.37	3.78	0.19
Start of Calendar Year 01-03-2023	7.03	92.97	41.30	18.55	3.74	0.19
Start of Water Year 09-27-2022	0.99	99.01	76.80	31.46	6.99	0.00
One Year Ago 04-26-2022	0.00	100.00	98.94	95.79	67.99	15.74

Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

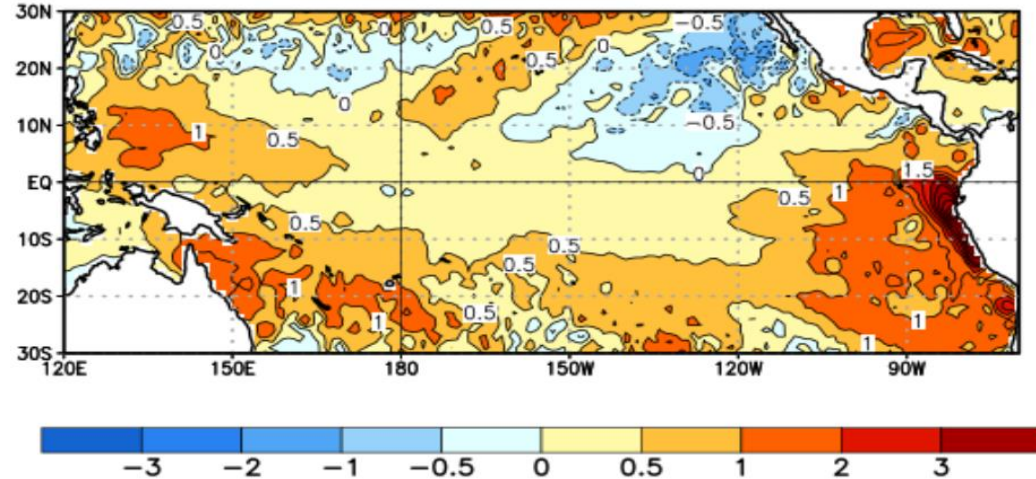
Richard Tinker
CPC/NOAA/NWS/NCEP



droughtmonitor.unl.edu

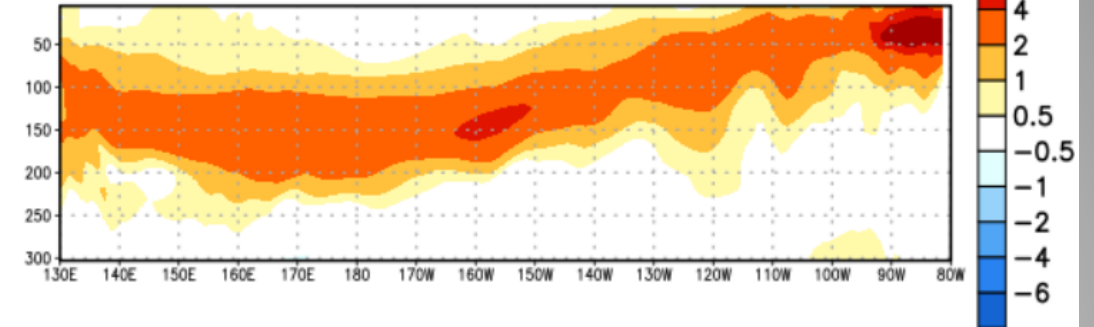
Despite the above average precipitation in the NE corner of the state and below to much below average precipitation elsewhere, drought conditions remained unchanged with the exception of very minor adjustments.

Average SST Anomalies
2 APR 2023 – 29 APR 2023

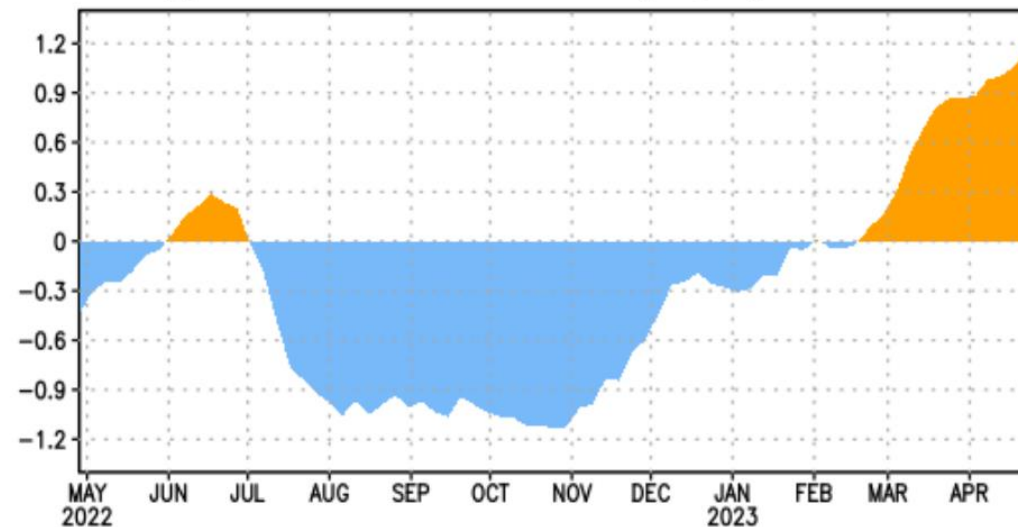


EQ. Subsurface Temperature Anomalies (deg C)

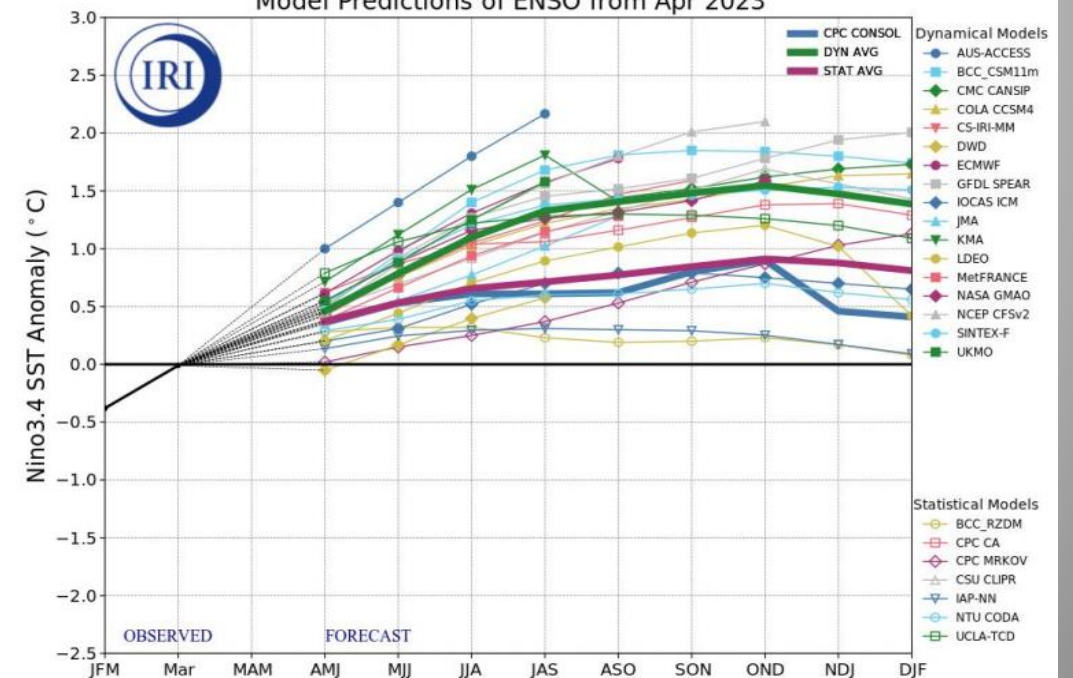
Pentad centered on 23 APR 2023



EQ. Upper-Ocean Heat Anoms. (deg C) for 180–100W

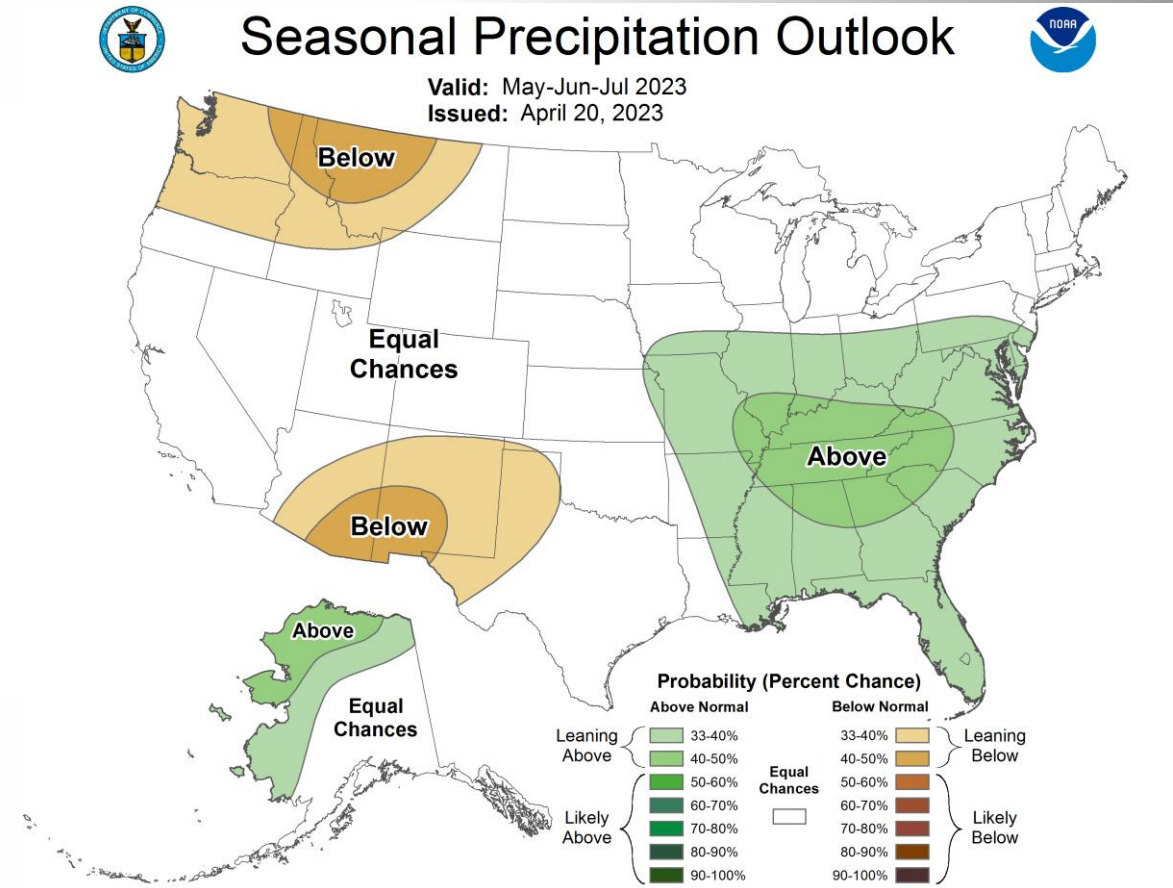
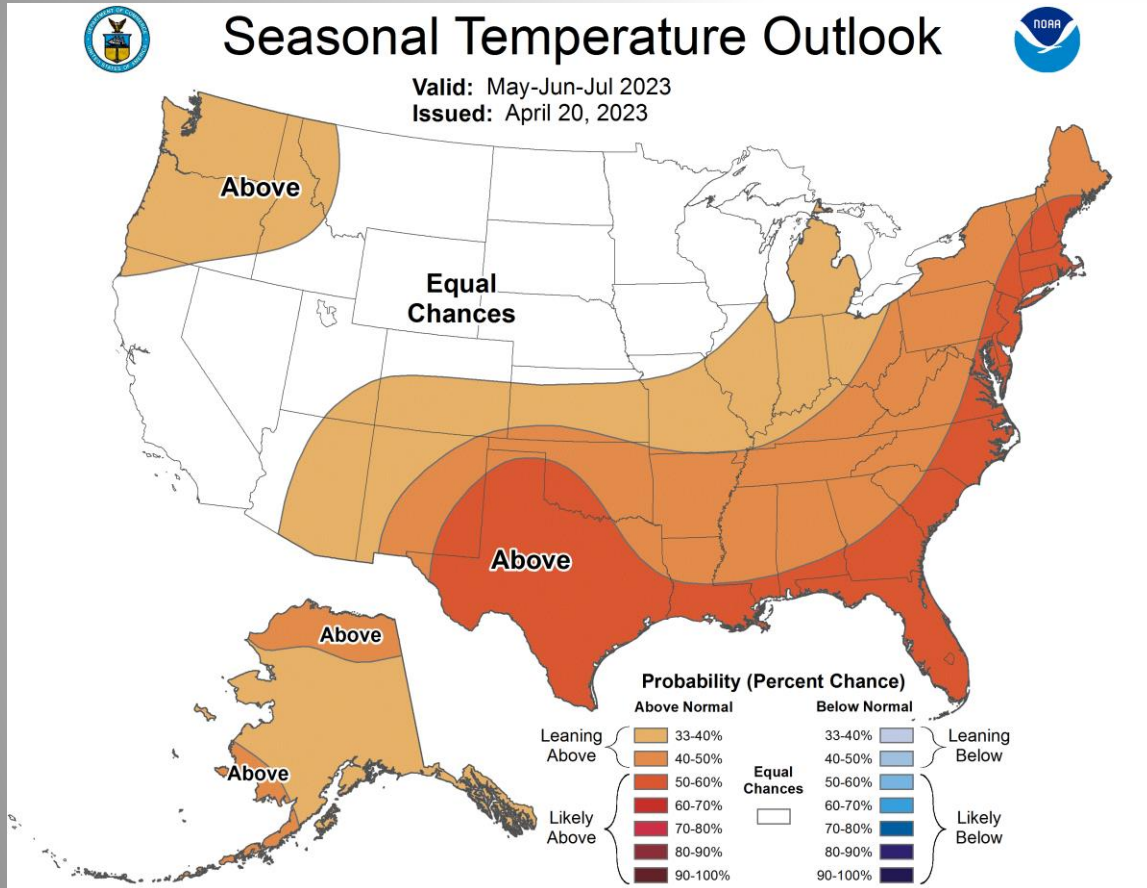


Model Predictions of ENSO from Apr 2023



Temperature May-June-July

Precipitation May-June-July

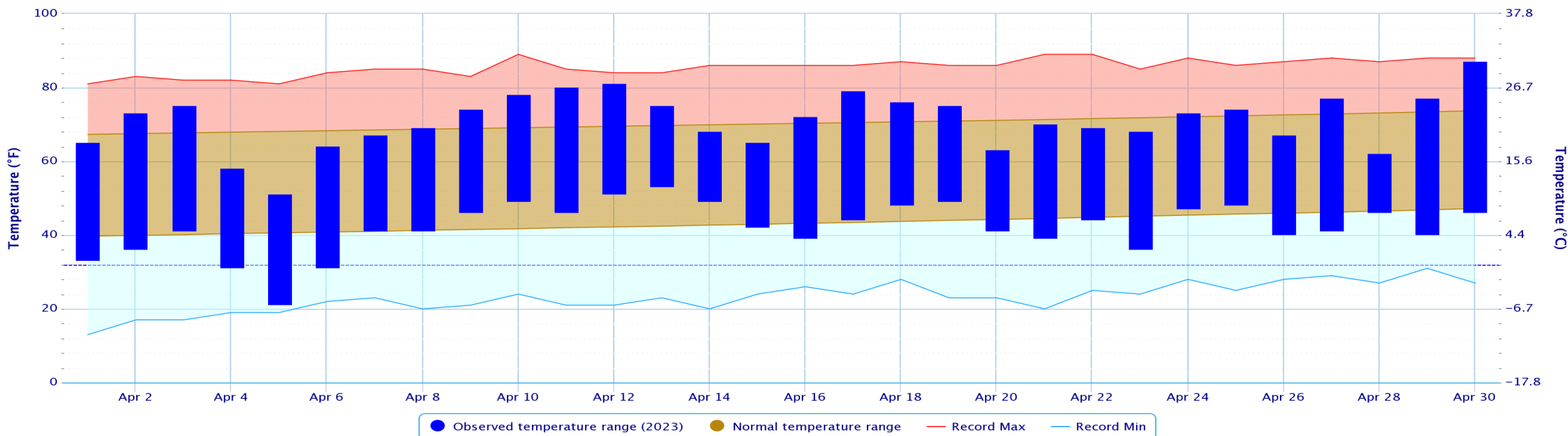


The Climate Prediction Center (CPC) projects the next 3 months to be warmer and drier than average.

Average Temperature: 56.5°

Daily Temperature Data – ALBUQUERQUE INTL AP, NM

Period of Record – 1891-12-01 to 2023-05-05. Normals period: 1991-2020. Click and drag to zoom chart.



Powered by ACIS

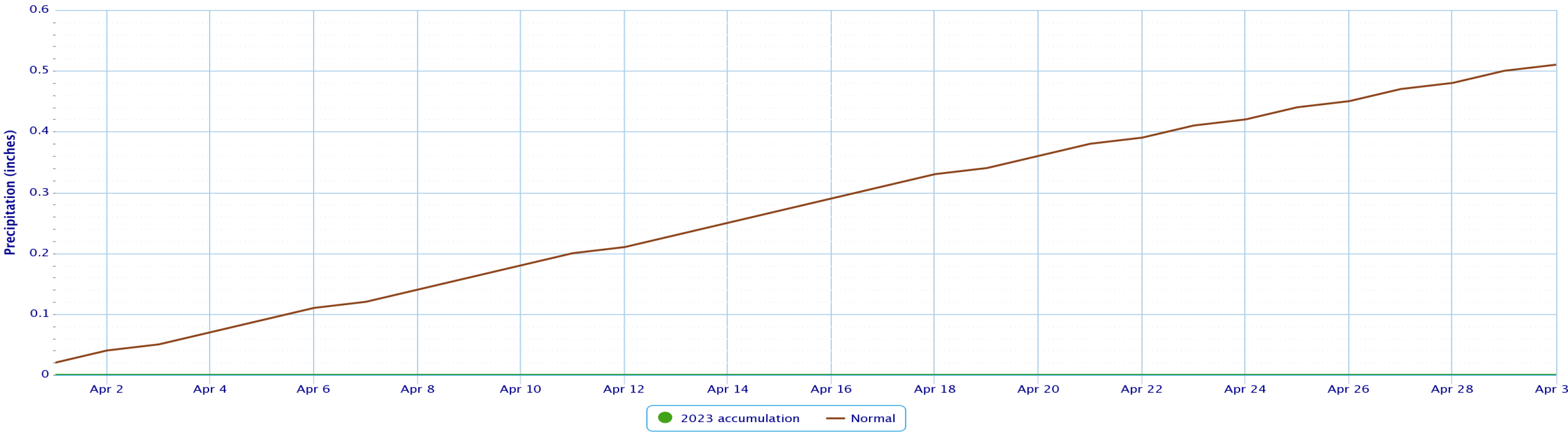
The April 2023 average temperature for Albuquerque was 56.5°, which was 0.3° below the normal of 56.8°. The average maximum temperature for the month was 71.1°. This was 0.8° above the normal average maximum temperature of 70.3°. The average minimum temperature for the month was 42.0°. This was 1.2° below the normal average minimum temperature of 43.2°. This ranked as the 86th coldest April on record.



Precipitation: Trace

Accumulated Precipitation – ALBUQUERQUE INTL AP, NM

Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values



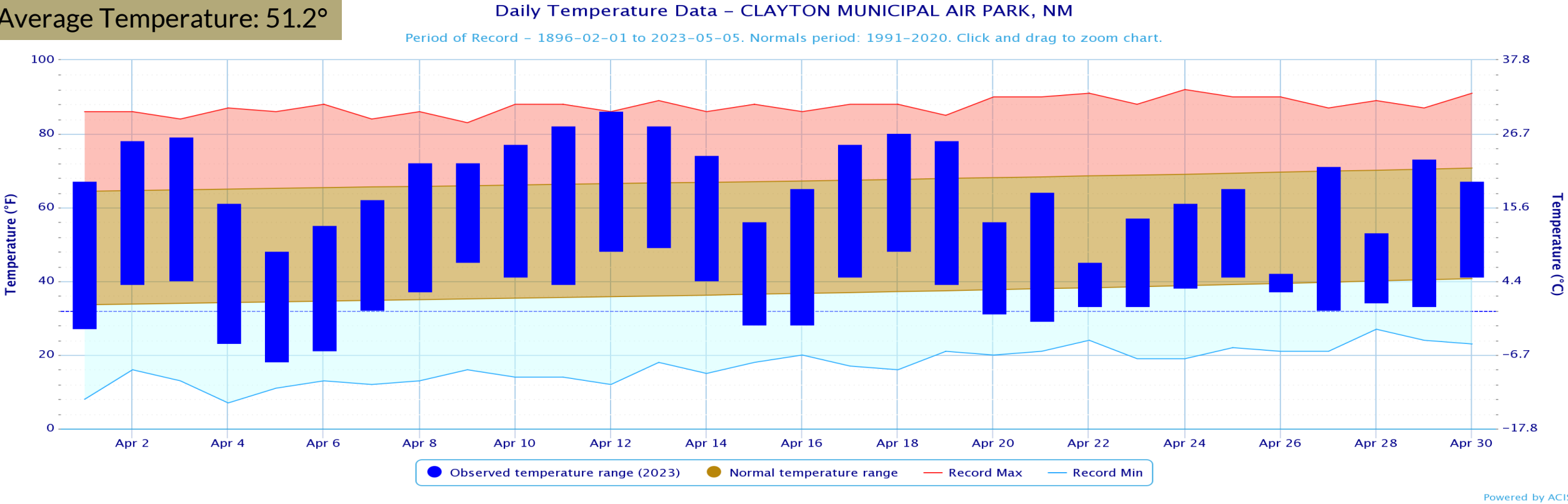
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The April 2023 precipitation for Albuquerque was a Trace, which was 0.51” below the normal of 0.51”. This was tied for the 2nd driest April on record.

There was 0.0” of snow, compared to the normal of 0.3”.



Average Temperature: 51.2°



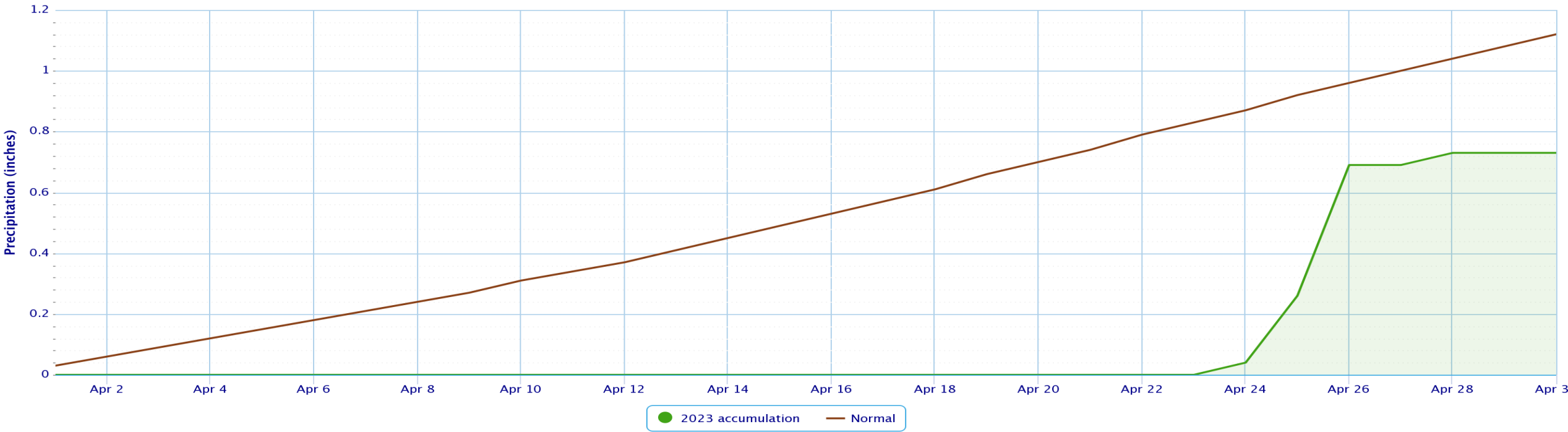
The April 2023 average temperature for Clayton was 51.2°, which was 0.8° below the normal of 52.0°. The average maximum temperature for the month was 66.8°. This was 0.5° below the normal average maximum temperature of 67.3°. The average minimum temperature for the month was 35.5°. This was 1.3° below the normal average minimum temperature of 36.8°. This ranked as the 47th coldest April on record.



Precipitation: 0.73"

Accumulated Precipitation – CLAYTON MUNICIPAL AIR PARK, NM

Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values



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The April 2023 precipitation for Clayton was 0.73", which was 0.39" below the normal of 1.12". This ranked as the 56th driest April on record.

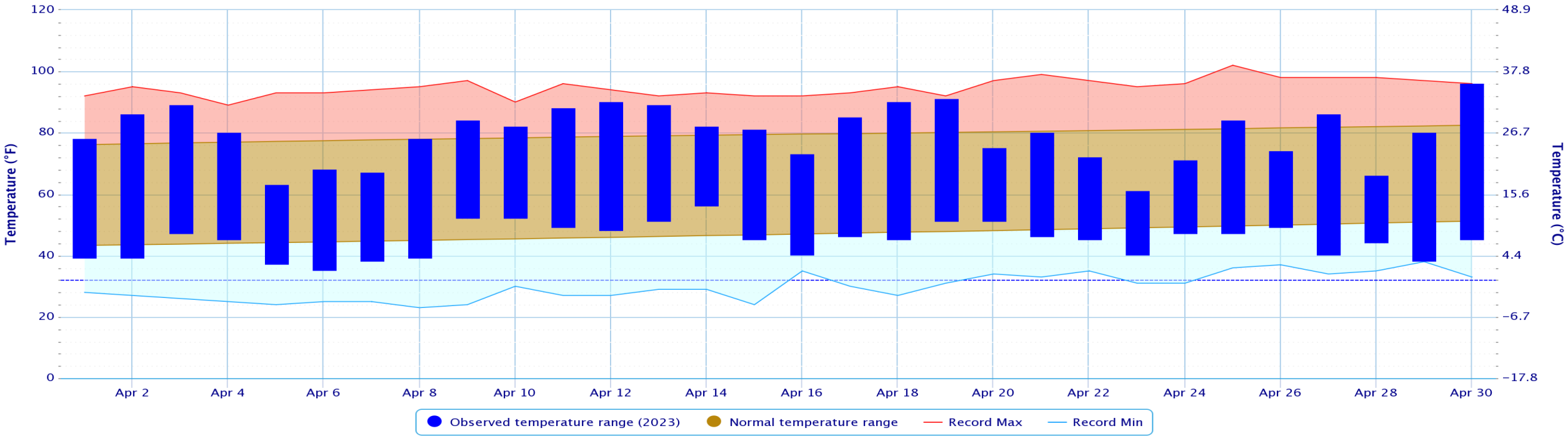
There was a Trace of snow, compared to the normal of 1.3".



Average Temperature: 62.3°

Daily Temperature Data – ROSWELL INDUSTRIAL AIR PARK, NM

Period of Record – 1946-12-01 to 2023-05-05. Normals period: 1991-2020. Click and drag to zoom chart.



Powered by ACIS

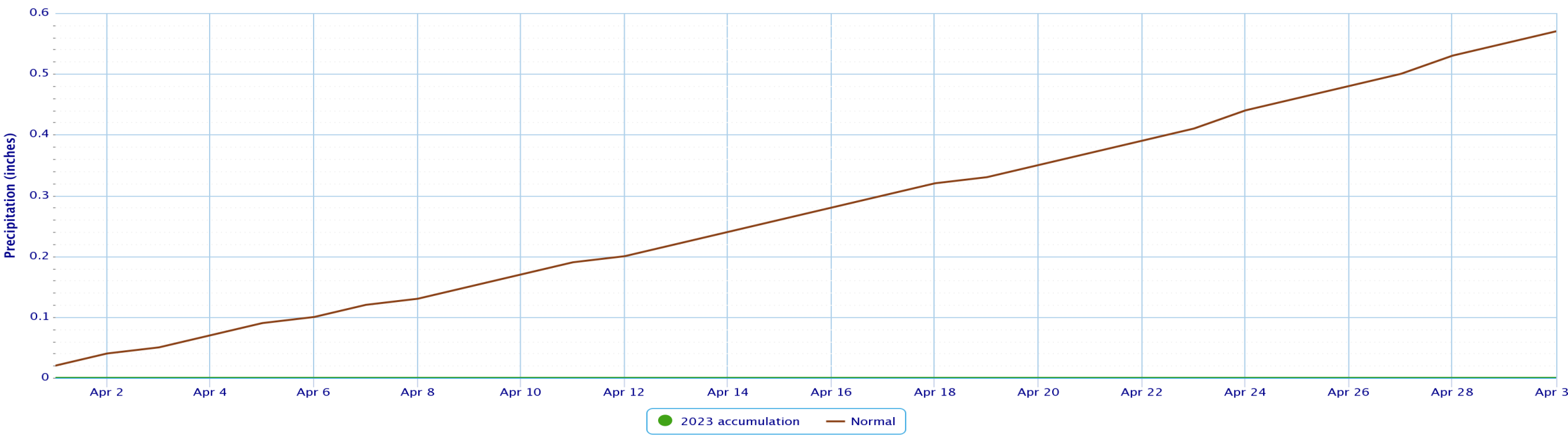
The April 2023 average temperature for Roswell was 62.3°, which was 0.9° below the normal of 63.2°. The average maximum temperature for the month was 79.6°. This was 0.2° above the average maximum temperature of 79.4°. The average minimum temperature for the month was 44.9°. This was 2.1° below the normal average minimum temperature of 47.0°. This ranked as the 39th coldest April on record.



Precipitation: Trace”

Accumulated Precipitation – ROSWELL INDUSTRIAL AIR PARK, NM








Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values



Powered by ACIS

The April 2023 precipitation for Roswell was a Trace, which was 0.57” below the normal of 0.57”. This was tied for the 3rd driest April on record.

There was 0.0” of snow, compared to the normal of 0.0”.

-  NCEI Climatological Rankings: <https://www.ncdc.noaa.gov/cag/national/rankings>
-  PRISM Climate Data: <http://www.prism.oregonstate.edu/>
-  NWS Local Climate Pages: <https://w2.weather.gov/climate/index.php?wfo=abq>
-  NCEI Storm Data: <https://www.ncdc.noaa.gov/stormevents/>
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